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WPI Acc No: 1992-367719/199245

XRAM Acc No: C92-163297

Strong transcriptional promoter from Kluyveromyces lactis - provides efficient expression of heterologous proteins e.g. human serum albumin in yeast

Patent Assignee: RHONE-POULENC RORER SA (RHON); RHONE-POULENC RORER SA (RHON)

Inventor: FLEER R; FOURNIER A; MAYAUX J; YEH P

Number of Countries: 026 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 511912	A1	19921104	EP 92401206	A	19920428	199245 B
WO 9219751	A1	19921112	WO 92FR375	A	19920428	199248
FR 2676070	A1	19921106	FR 915294	A	19910430	199301
ZA 9203083	A	19930127	ZA 923083	A	19920428	199310
AU 9217892	A	19921221	AU 9217892	A	19920428	199311
			WO 92FR375	A	19920428	
NZ 242543	A	19931026	NZ 242543	A	19920429	199345
FI 9304806	A	19931029	WO 92FR375	A	19920428	199402
			FI 934806	A	19931029	
NO 9303654	A	19931011	WO 92FR375	A	19920428	199404
			NO 933654	A	19931011	
EP 584166	A1	19940302	EP 92910339	A	19920428	199409
			WO 92FR375	A	19920428	
JP 6506602	W	19940728	JP 92510457	A	19920428	199434
			WO 92FR375	A	19920428	
HU 67448	T	19950428	WO 92FR375	A	19920428	199523
			HU 933087	A	19920428	
AU 658630	B	19950427	AU 9217892	A	19920428	199525
US 5646012	A	19970708	WO 92FR375	A	19920428	199733
			US 93140093	A	19931101	
			US 95483639	A	19950607	
EP 584166	B1	19980325	EP 92910339	A	19920428	199816
			WO 92FR375	A	19920428	
DE 69224902	E	19980430	DE 624902	A	19920428	199823
			EP 92910339	A	19920428	
			WO 92FR375	A	19920428	
ES 2113948	T3	19980516	EP 92910339	A	19920428	199826

Priority Applications (No Type Date): FR 915294 A 19910430

Cited Patents: 3.Jnl.Ref; EP 361991

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 511912	A1	F	22	C12N-015/81	
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Designated States (Regional): PT

WO 9219751	A1	F	27	C12N-015/81	
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Designated States (National): AU CA FI HU JP KR NO US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU MC NL SE

FR 2676070	A1		31	C12N-015/29	
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ZA 9203083	A		34	C12N-000/00	
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AU 9217892	A			C12N-015/81	Based on patent WO 9219751
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EP 584166	A1	F		C12N-015/81	Based on patent WO 9219751
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Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE

JP 6506602	W	C12N-015/67	Based on patent WO 9219751
HU 67448	T	C12N-015/81	Based on patent WO 9219751
AU 658630	B	C12N-015/11	Previous Publ. patent AU 9217892
			Based on patent WO 9219751
US 5646012	A	23 C12P-021/02	Cont of application WO 92FR375
			Cont of application US 93140093
EP 584166	B1 F	22 C12N-015/81	Based on patent WO 9219751
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE			
DE 69224902	E	C12N-015/81	Based on patent EP 584166
			Based on patent WO 9219751
ES 2113948	T3	C12N-015/81	Based on patent EP 584166
NZ 242543	A	C12N-015/12	
FI 9304806	A	C12N-000/00	
NO 9303654	A	C12N-000/00	

Abstract (Basic): EP 511912 A

New DNA sequences (A) contain all or part of a specified 2249 bp sequence reproduced in the specification or of its complementary strand, or of a deriv. of these. (A) has the activity of a transcriptional promoter. Also new are (1) recombinant DNA (A') contg. (A) and (2) recombinant cells contg. (A) or (A').

Pref., (A') contains 1 or more structural genes plus segments which cause secretion of expression products. Partic. (A') is part of an expression plasmid of the autonomous or integrating types.

USE/ADVANTAGE - (A) is a very efficient promoter in yeasts, esp. Kluyveromyces and is used to express recombinant genes partic. simultaneous expression in 2 opposite orientations. These genes are esp. those of pharmaceutical or nutritional interest, esp. that for human serum albumin (HSA) (

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Title Terms: STRONG; TRANSCRIBING; PROMOTE; KLUYVEROMYCES; LACTIS; EFFICIENCY; EXPRESS; HETEROLOGOUS; PROTEIN; HUMAN; SERUM; ALBUMIN; YEAST

Derwent Class: B04; D16

International Patent Class (Main): C12N-000/00; C12N-015/11; C12N-015/12; C12N-015/29; C12N-015/67; C12N-015/81; C12P-021/02

International Patent Class (Additional): C07H-021/04; C07K-019/765; C12N-001/16; C12N-001/19; C12N-015/14; C12N-015/66

File Segment: CPI